HIRDLS Operations

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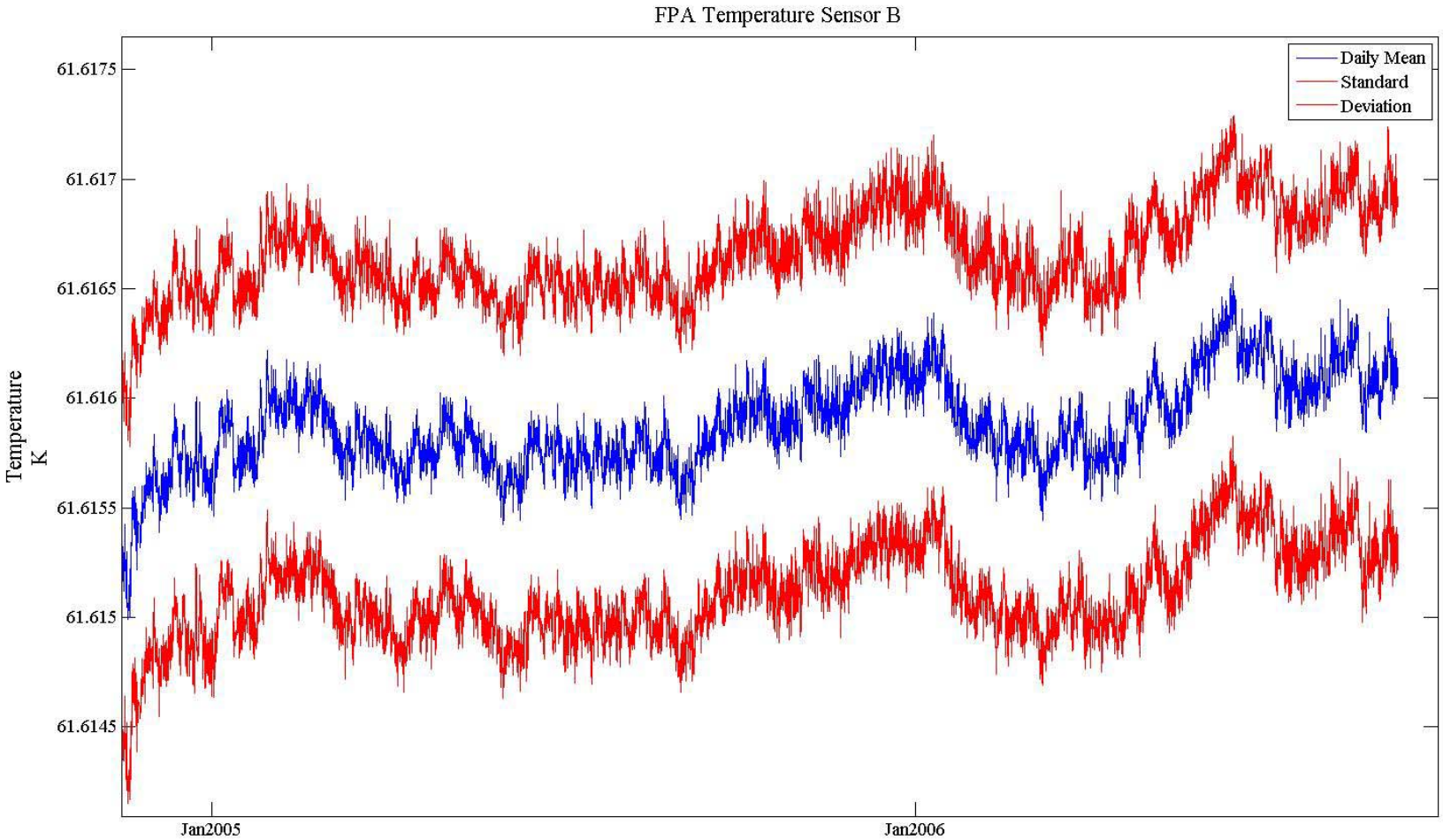
HIRDLS Operations

- Operated continuously in Science Mode since Activation (caveat: dealing with Blockage Removal Operations)
- Switched from ST 13 to ST 22 in April, 2006
- Switched from ST 22 to ST 23 in May, 2006 (ST 23 baseline currently)
- HIRDLS Pitch Maneuver on DOY 191
- Next Pitch Maneuver is scheduled on November 3, 2006.

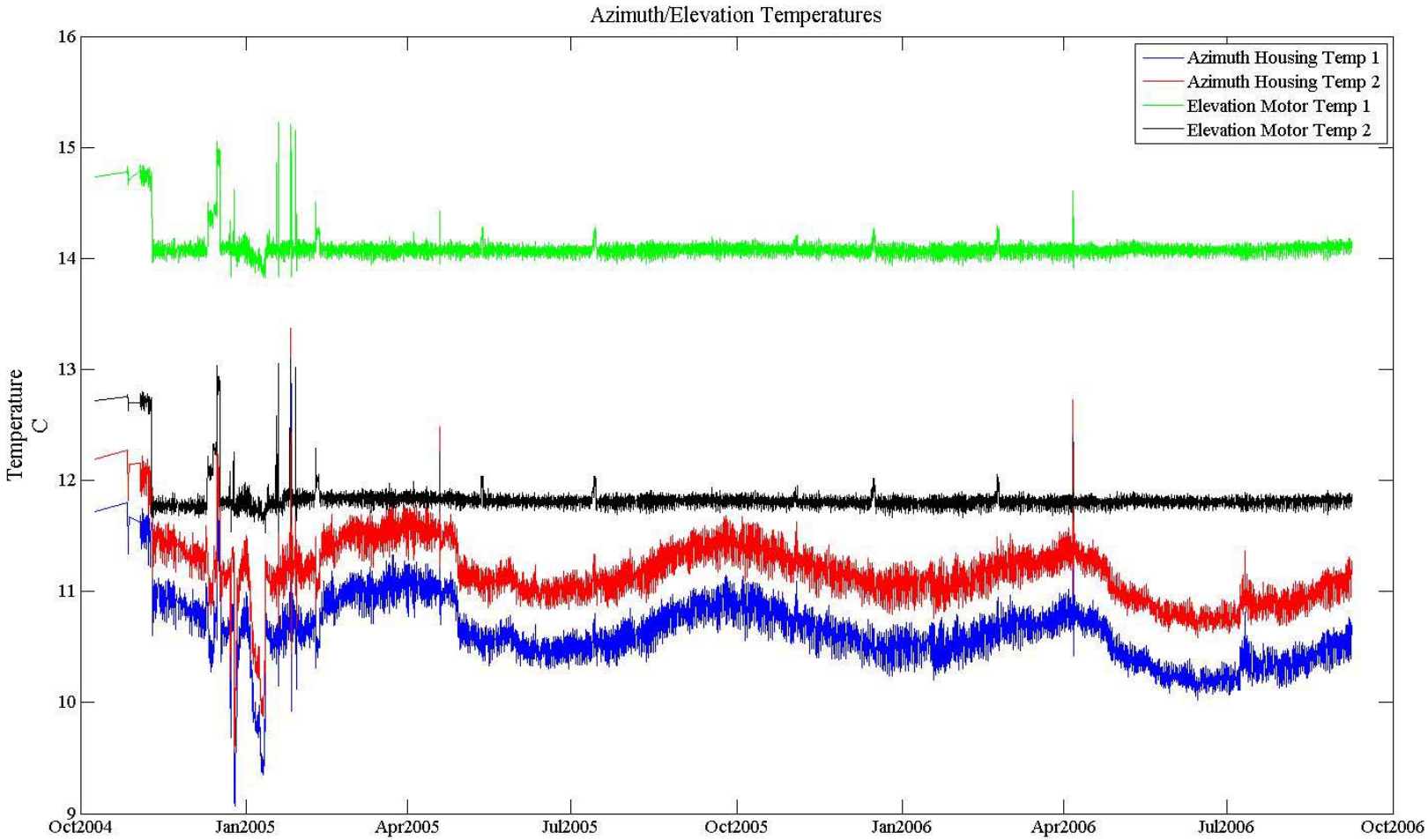
HIRDLS Operations

- Since transition to nominal operations (Jan 2005) HIRDLS has not experienced any faults that have taken it out of Science Mode.
- All subsystems are working nominally.
- Trending of the FPA, combined with the Cooler Displacer/Compressor Stroke, indicates de-icing will not be required in the immediate future (2-3 years, at least)

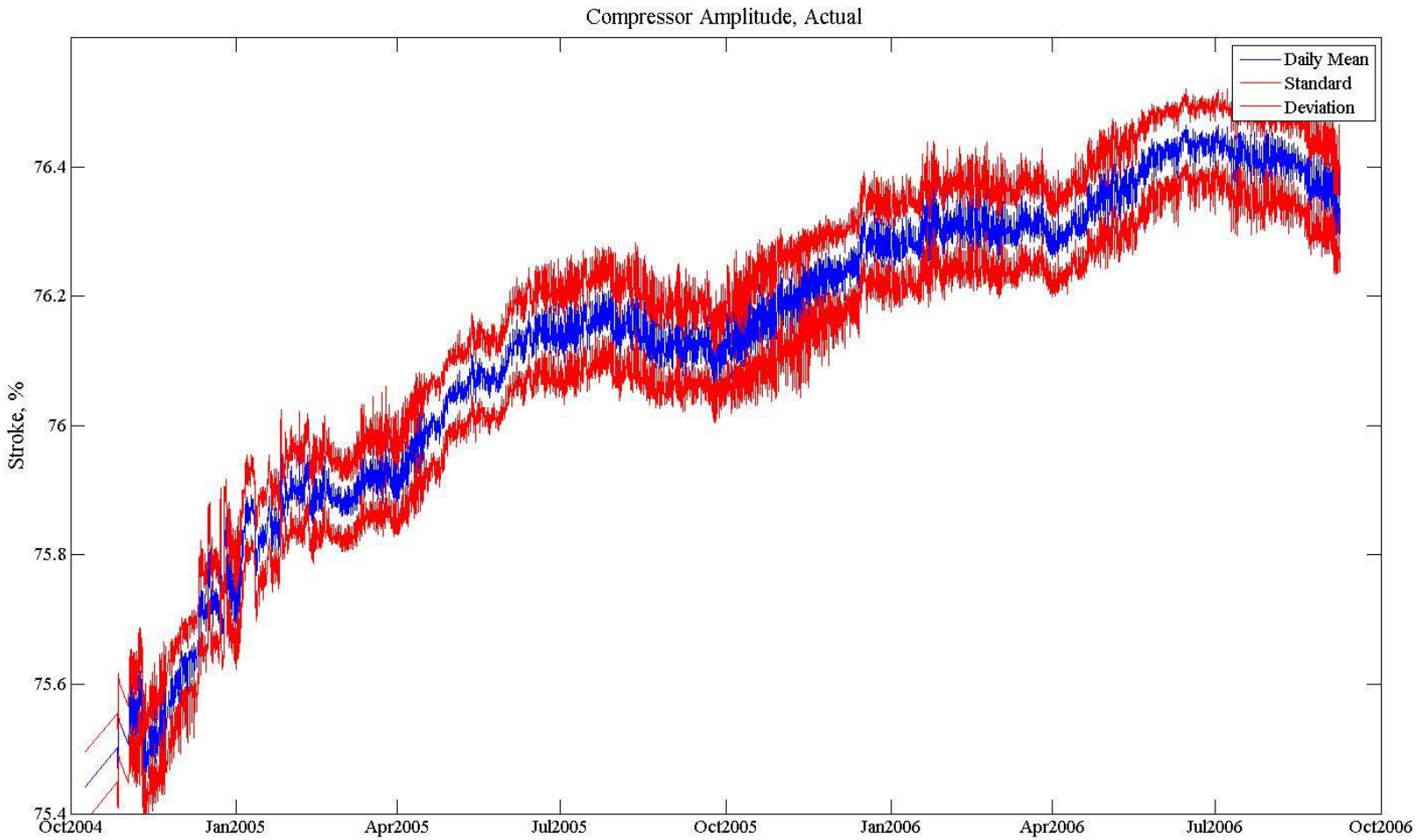
HIRDLS FPA Temperature Sensor B



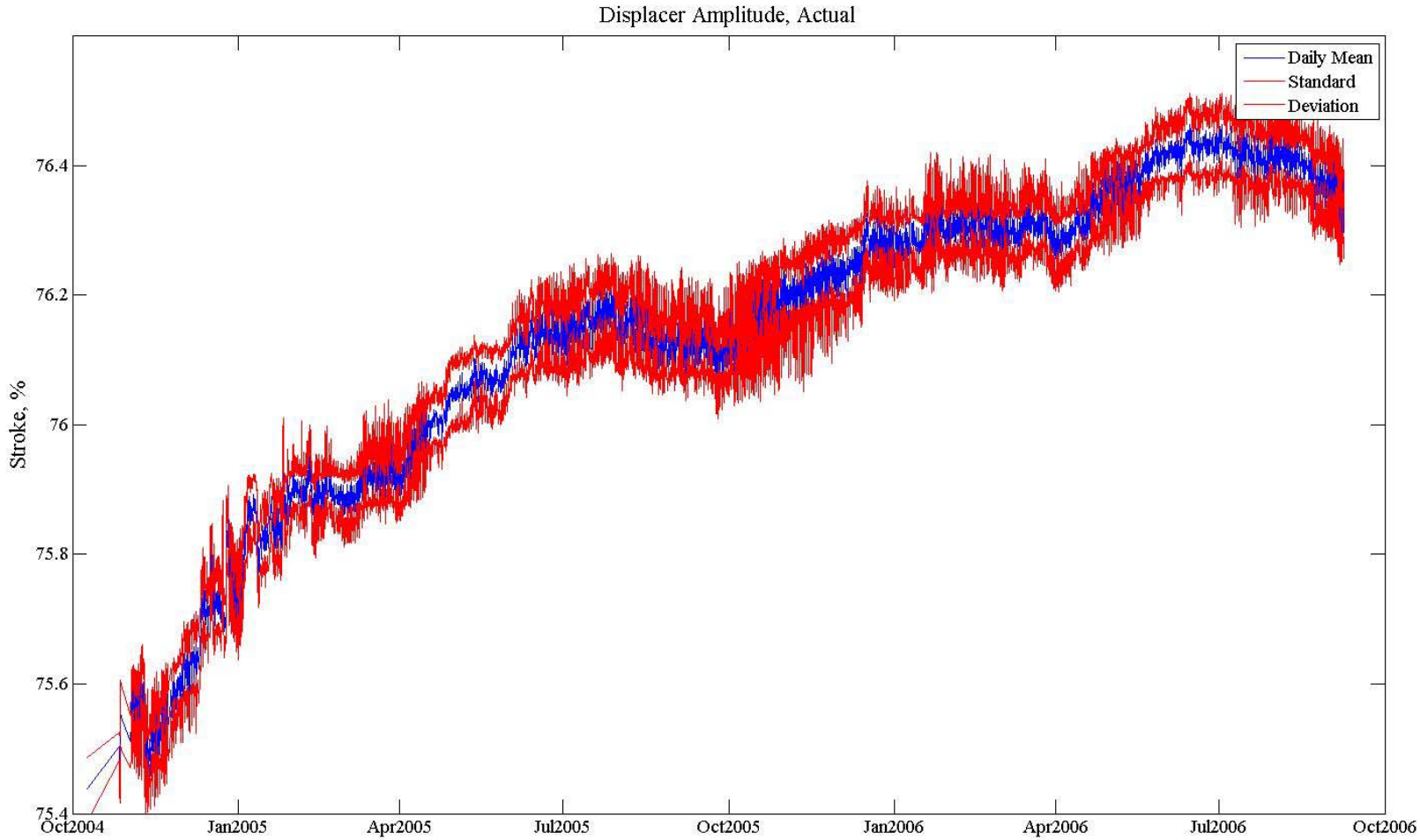
HIRDLS Azimuth/Elevation Temperatures



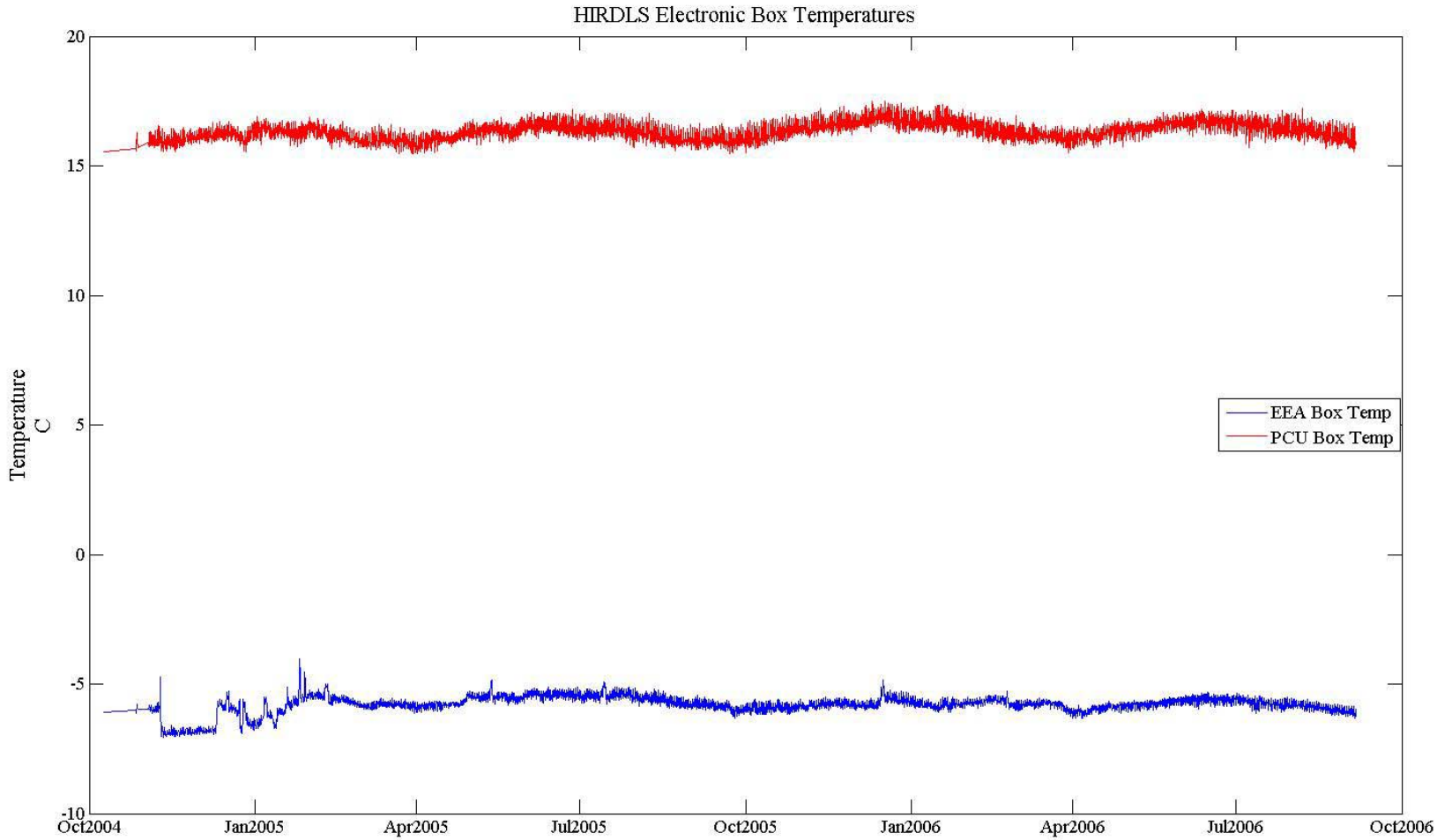
HIRDLS Cooler Compressor Amplitude



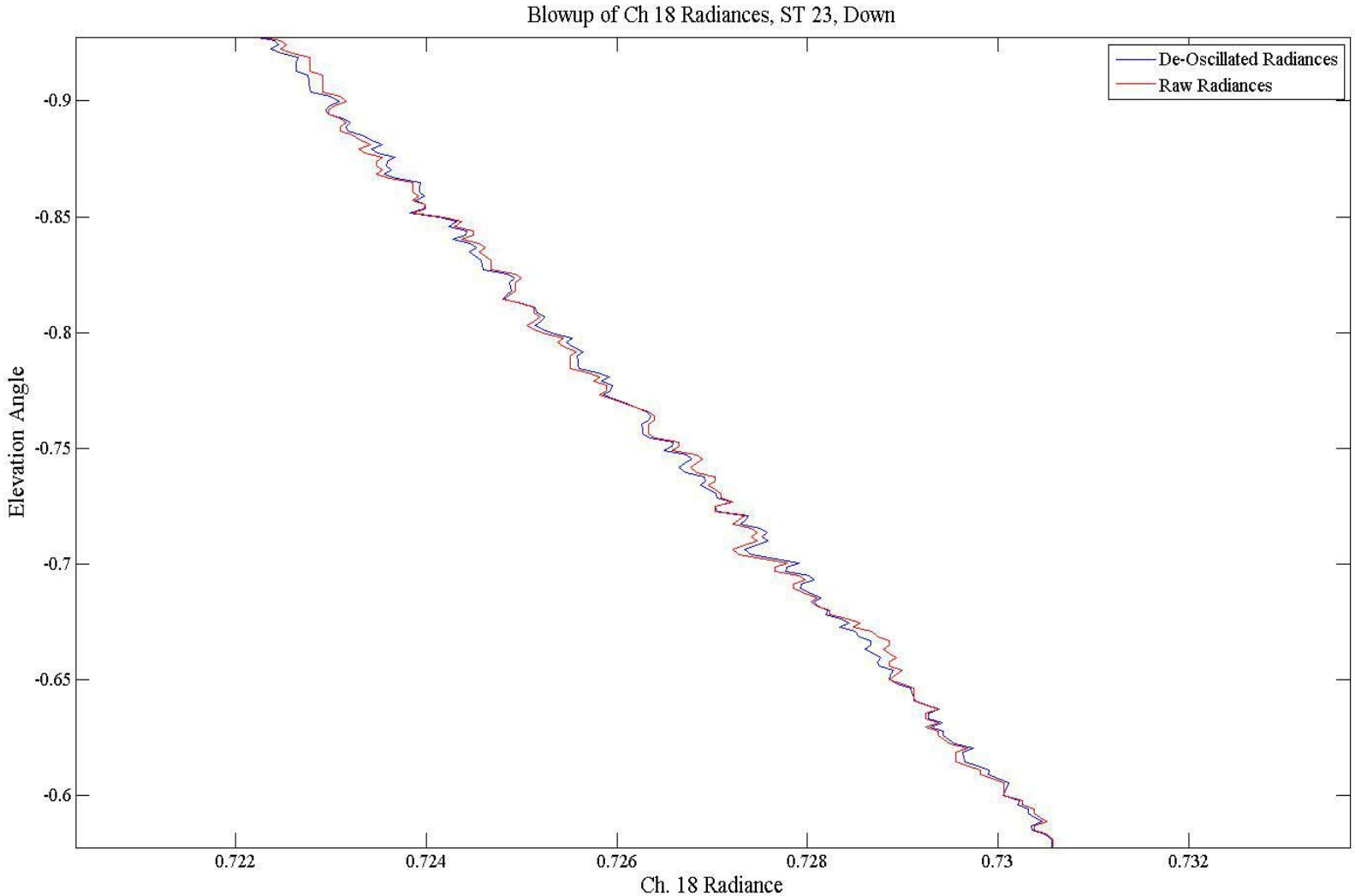
HIRDLS Cooler Displacer Amplitude



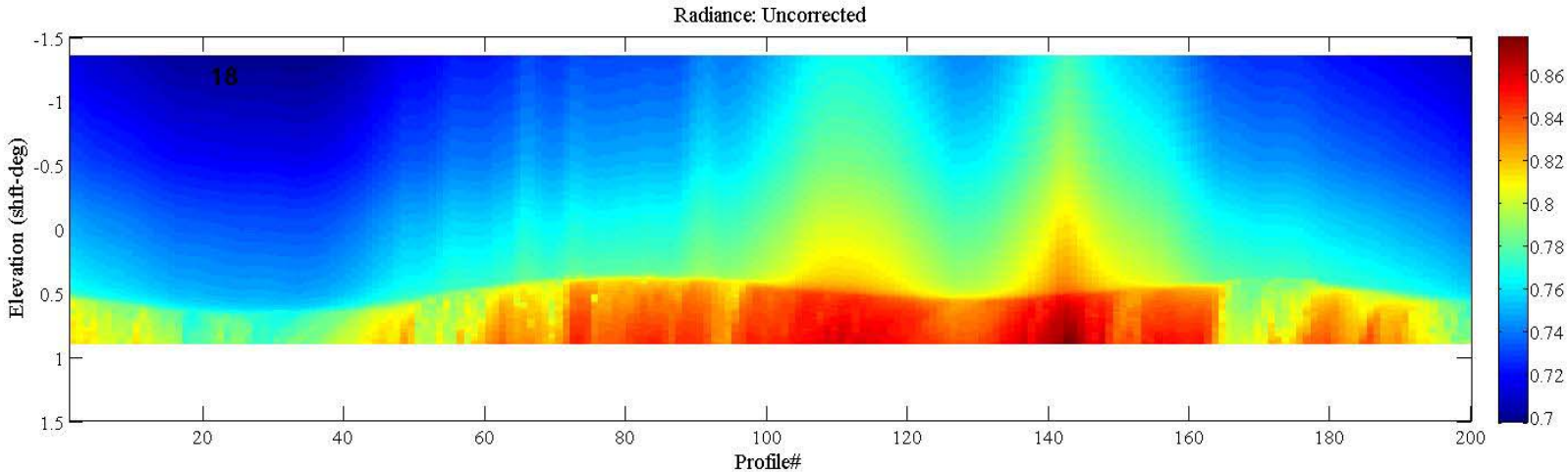
HIRDLS Electronic Box Temperatures

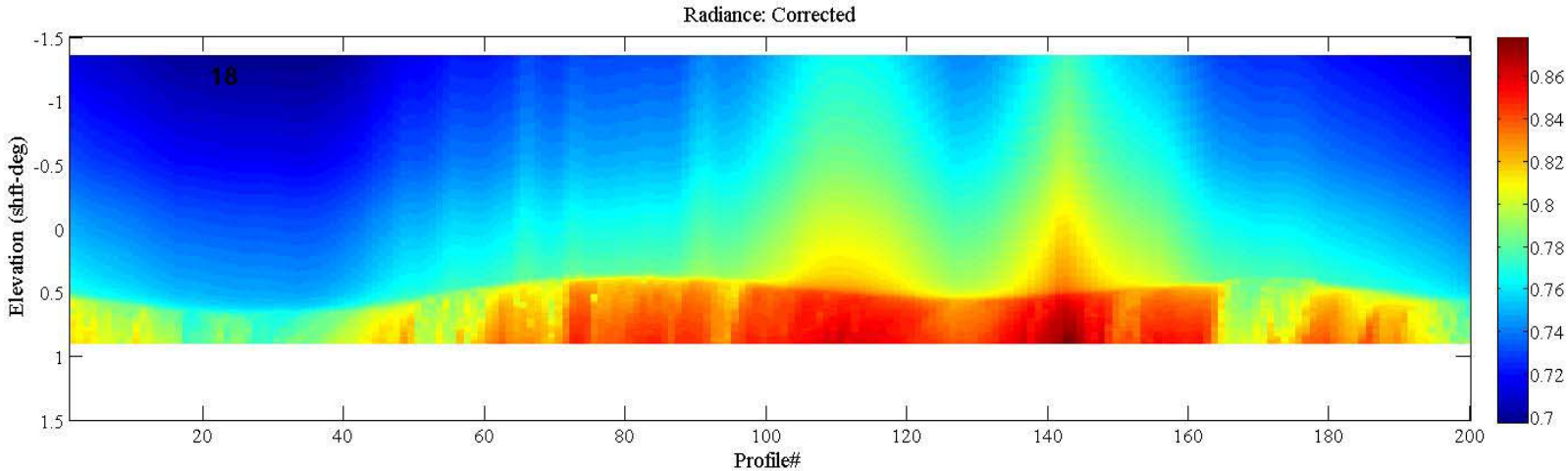


HIRDLS Pitch Maneuver Results



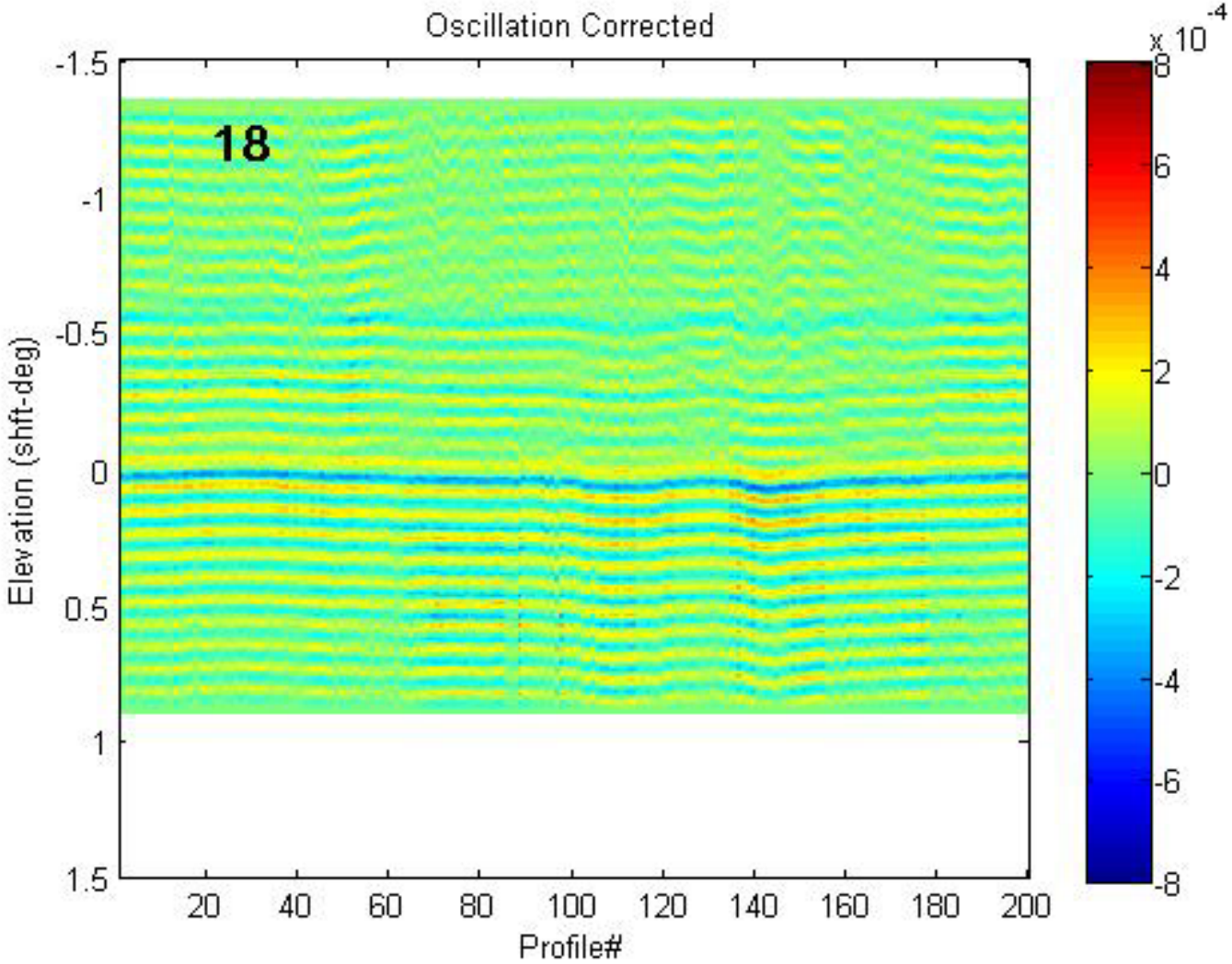
HIRDLS Pitch Maneuver Results





Ch 18, Scan Table 23, Down Scan, 2006d131

HIRDLS Pitch Maneuver Results



Ch 18, Scan Table 23, Down Scan, 2006d131

HIRDLS Operations Summary

- The HIRDLS Instrument continues to function well within operational limits
- Trending indicates de-icing not required in the near term (> 5 Years).
- All Electronic Boxes remain within temperature, voltage, and current limits.
- Pitch Maneuvers continue to provide valuable information for improving HIRDLS Science.